

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) An isolated or recombinant DNA molecule encoding ~~(a) a proteoglycan expressed in retinal tissue having a membrane anchor sequence and a leucine rich repeat motif comprising the amino acid sequence: x x (I, V or L) x x x x (P, P or L) x x (L or P) x x L x x (L or I) x L x x N x (I or L) where "x" represents any amino acid, wherein an impairment in function of the proteoglycan is associated with a complete CSNB phenotype, said~~ a proteoglycan having:

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- (a) the amino acid sequence of SEQ ID NO: 2;
 - (b) the amino acid sequence of SEQ ID NO: 2 with conservative amino acid substitutions; or
 - (c) an amino acid sequence which is at least 50% homologous to SEQ ID NO: 2.

2. [Previously Amended] The DNA molecule of claim 1 which encodes an amino acid sequence which is at least 70% homologous to SEQ ID NO: 2.

3. (Original) The DNA molecule of claim 1 wherein said DNA is cDNA.

4. [Cancelled].

5. [Cancelled].

6. [Cancelled].

7. [Cancelled].

8. [Previously Amended] The DNA molecule of claim 1 wherein said DNA has the nucleotide sequence corresponding to SEQ ID NO:1 or naturally occurring allelic variants of SEQ ID NO:1.

- B2.
9. [Currently Amended] An isolated or recombinant polynucleotide comprising a nucleotide sequence corresponding to SEQ ID NO: 1, ~~substantially homologous to SEQ ID NO:1 or a nucleotide sequence that hybridizes under highly stringent conditions to a hybridization probe having a nucleotide sequence of SEQ ID NO:1 or the complement of SEQ ID NO:1.~~

10. The polynucleotide of claim 9 wherein said polynucleotide is selected from the group comprising:
- (a) RNA;
 - (b) cDNA;
 - (c) genomic DNA; and
 - (d) synthetic nucleic acids.
11. [Previously Amended] An expression vector comprising one of the DNAs or polynucleotides of claims 1, 2, 3, 8, 9 or 10.
12. A cultured cell comprising the expression vector of claim 11.
13. [Previously Amended] A cultured cell comprising a DNA sequence or polynucleotide of one of claims 1 to 10, operably linked to an expression control sequence.
14. A cultured cell transfected with the vector of claim 11, or a progeny of said cell, wherein the cell expresses a mammalian GPI-anchored small leucine-rich proteoglycan.

Claims 15-24 (Cancelled)